

State of California - The Resources Agency
Department of Fish and Game
Marine Resources Region
Long Beach, California

CRUISE REPORT 74-KB-13
SPORTFISH-KELP HABITAT

Prepared by Peter L. Haaker

Vessel: R/V KELP BASS

Dates: April 29 - May 2, 1974

Locality: The nearshore waters of Palos Verdes Peninsula and Catalina Island.

Purpose: 1. To lay chain for kelp attachment in Abalone Cove, Palos Verdes Peninsula.

2. To transplant kelp from Catalina Island to Abalone Cove.

Procedures: Chain was picked up from the 22nd Street landing and transported to Abalone Cove aboard the KELP BASS. Enroute, chain was cut into 20 ft lengths by KELP BASS personnel. The chain was dumped in the west end of Abalone Cove. Lines were secured to the chain for attaching kelp.

Kelp was collected in Isthmus Harbor, Catalina Island. Adult plants were brought aboard the KELP BASS, where their holdfasts were tied with attachment lines, and they were transported to Abalone Cove. Kelp was secured to lines on chains in the west end of the Cove.

Results: One shot of surplus Navy anchor chain (in 20 ft lengths) was deposited in Abalone Cove.

The chain was arranged in a circular pattern, and lines were attached for securing kelp.

One transplant operation was conducted in which 70 *Macrocystis* plants were brought to Abalone Cove from Catalina Island. These plants were secured to the new chain in the Cove.

Weather conditions hampered all operations during this cruise.

Personnel: Marco Mazarovich, Vessel Captain
Kenneth Wilson, Biologist-in-charge
Peter Haaker, Biologist
Alan Wells, Seasonal Aid